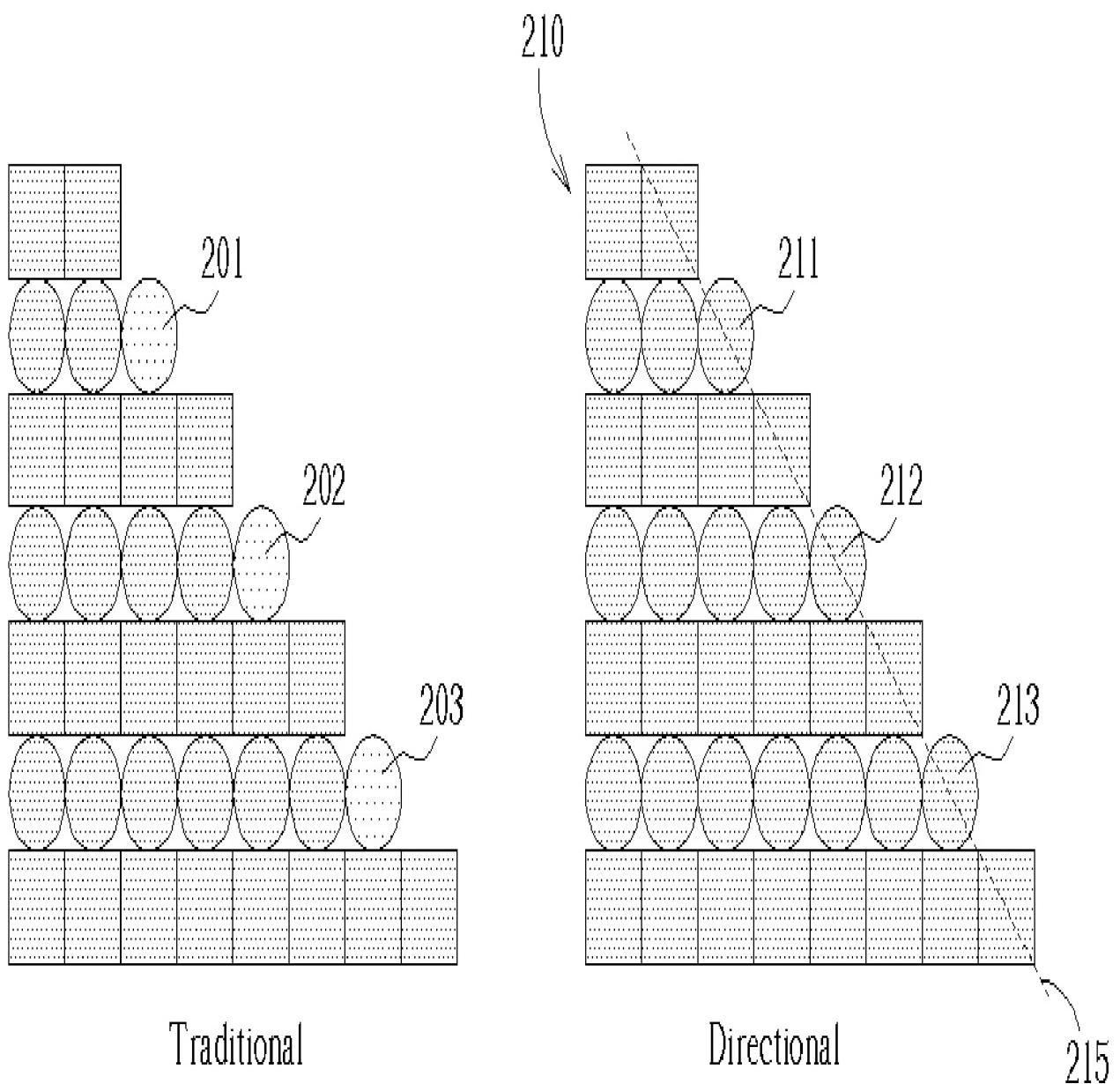


Fig. 1 Prior art



■ Source pixels  
○ Interpolated pixels

Fig. 2 Prior art

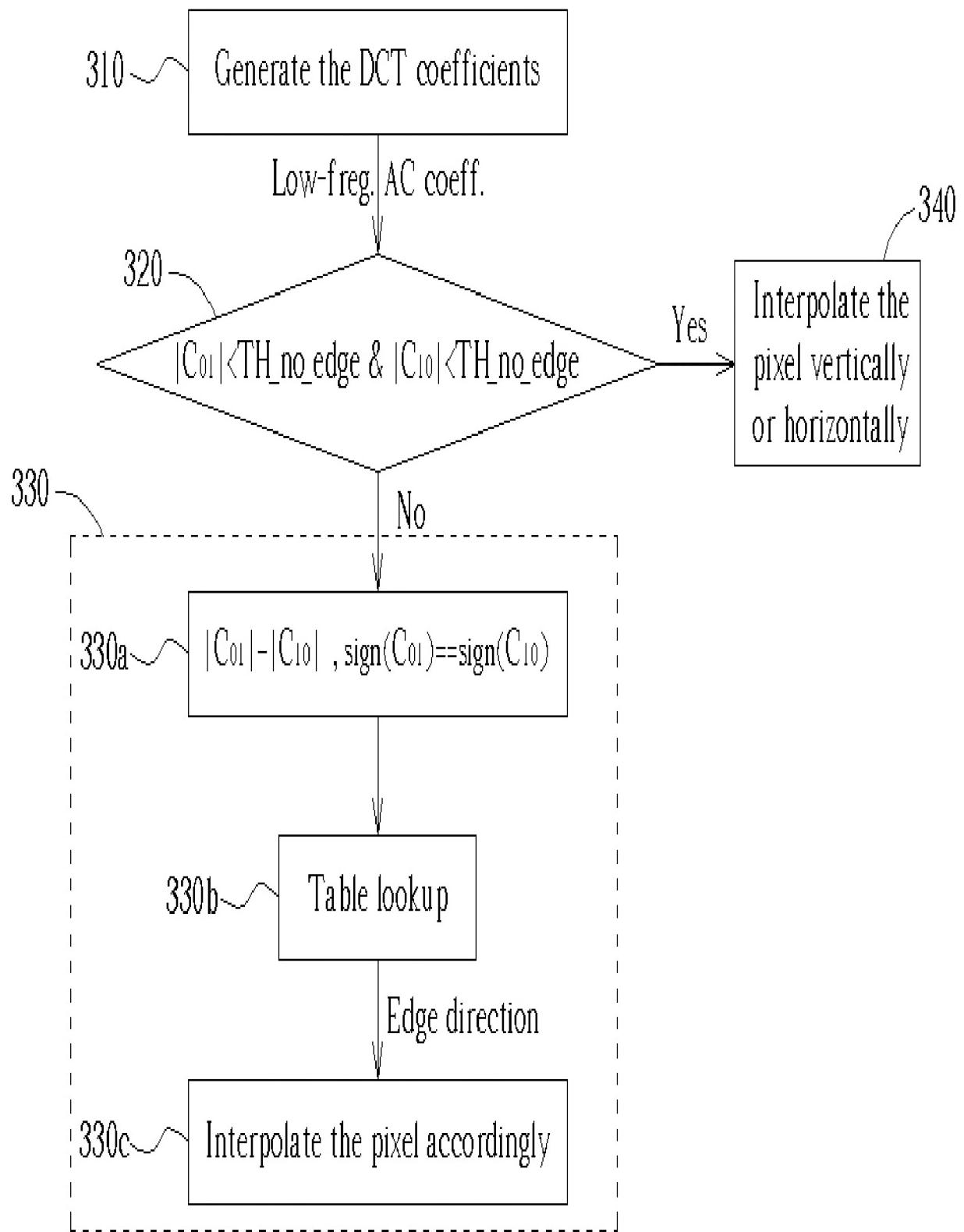


Fig. 3

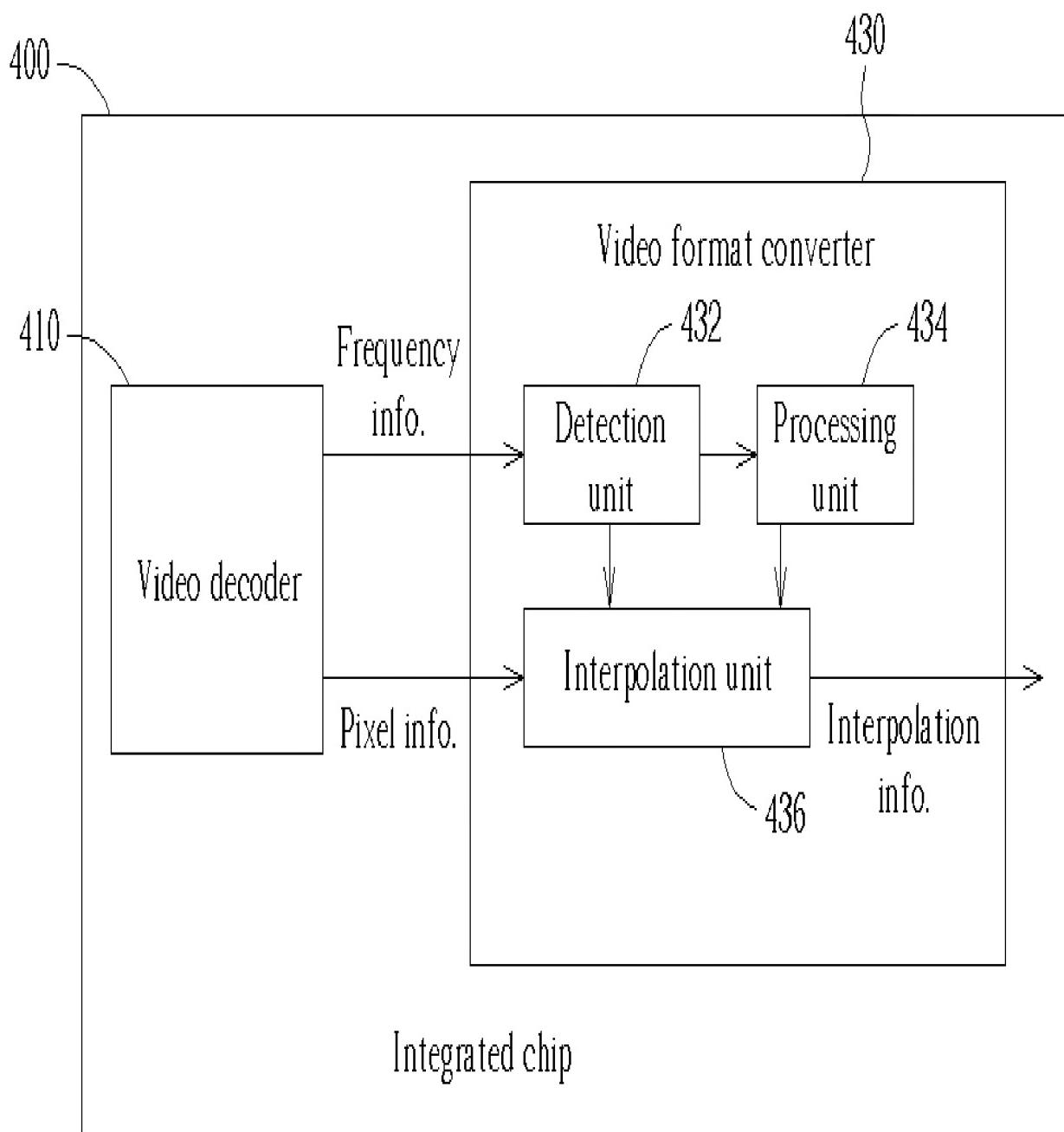


Fig. 4

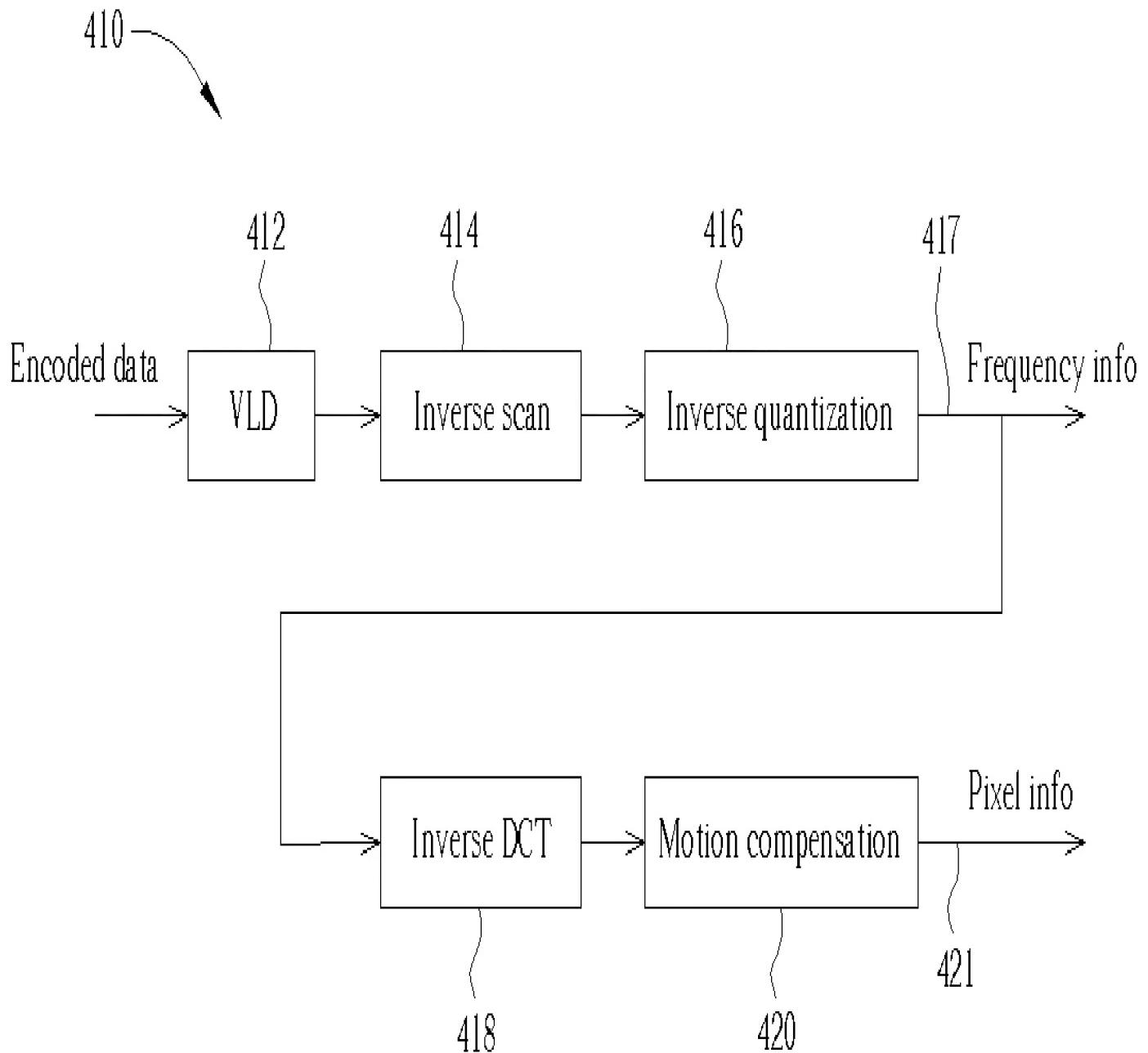
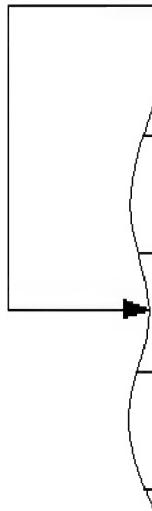


Fig. 5

C <sub>00</sub>	C <sub>01</sub>	C <sub>02</sub>	C <sub>03</sub>	C <sub>04</sub>	C <sub>05</sub>	C <sub>06</sub>	C <sub>07</sub>
C <sub>10</sub>	C <sub>11</sub>	C <sub>12</sub>	C <sub>13</sub>	C <sub>14</sub>	C <sub>15</sub>	C <sub>16</sub>	C <sub>17</sub>
C <sub>20</sub>	C <sub>21</sub>	C <sub>22</sub>	C <sub>23</sub>	C <sub>24</sub>	C <sub>25</sub>	C <sub>26</sub>	C <sub>27</sub>
C <sub>30</sub>	C <sub>31</sub>	C <sub>32</sub>	C <sub>33</sub>	C <sub>34</sub>	C <sub>35</sub>	C <sub>36</sub>	C <sub>37</sub>
C <sub>40</sub>	C <sub>41</sub>	C <sub>42</sub>	C <sub>43</sub>	C <sub>44</sub>	C <sub>45</sub>	C <sub>46</sub>	C <sub>47</sub>
C <sub>50</sub>	C <sub>51</sub>	C <sub>52</sub>	C <sub>53</sub>	C <sub>54</sub>	C <sub>55</sub>	C <sub>56</sub>	C <sub>57</sub>
C <sub>60</sub>	C <sub>61</sub>	C <sub>62</sub>	C <sub>63</sub>	C <sub>64</sub>	C <sub>65</sub>	C <sub>66</sub>	C <sub>67</sub>
C <sub>70</sub>	C <sub>71</sub>	C <sub>72</sub>	C <sub>73</sub>	C <sub>74</sub>	C <sub>75</sub>	C <sub>76</sub>	C <sub>77</sub>

Fig. 6

Sign	1 (equal)	1 (equal)	1 (equal)	1 (equal)	1 (equal)	
$ C_{01}  -  C_{10} $	$(-\infty, -TH1)$	$(-TH1, -TH2)$	$(-TH2, TH2)$	$(TH2, TH1)$	$(TH1, \infty)$	
Edge index	0 ( $0^\circ$ )	7 ( $157.5^\circ$ )	6 ( $135^\circ$ )	5 ( $112.5^\circ$ )	4 ( $90^\circ$ )	



	0 (unequal)	0 (unequal)	0 (unequal)	0 (unequal)	0 (unequal)
	$(-\infty, -TH1)$	$(-TH1, -TH2)$	$(-TH2, TH2)$	$(TH2, TH1)$	$(TH1, \infty)$
	0 ( $0^\circ$ )	1 ( $22.5^\circ$ )	2 ( $45^\circ$ )	3 ( $67.5^\circ$ )	4 ( $90^\circ$ )

Fig. 7

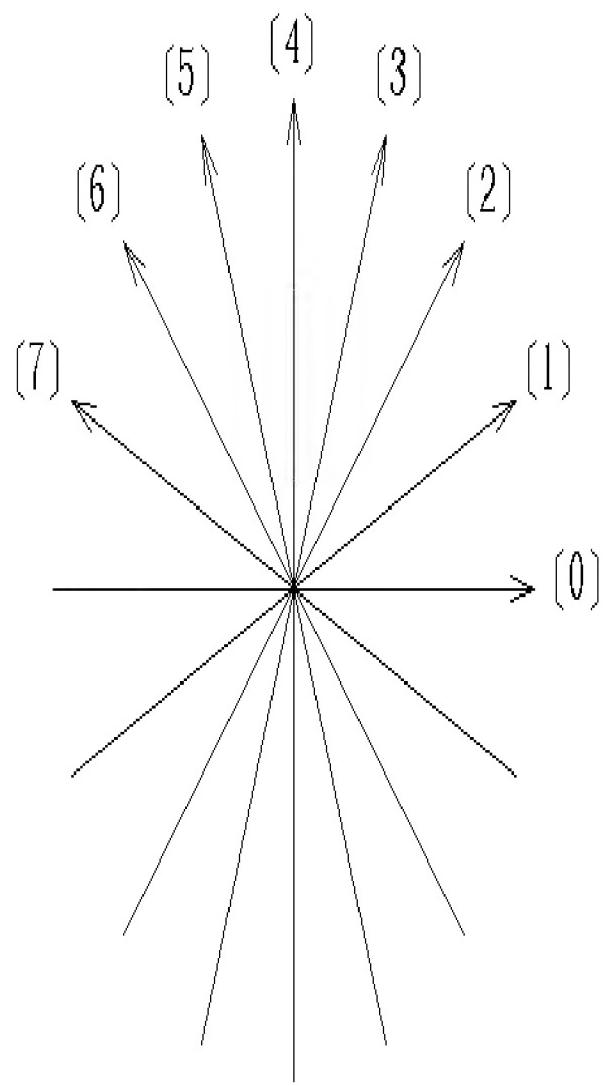


Fig. 8

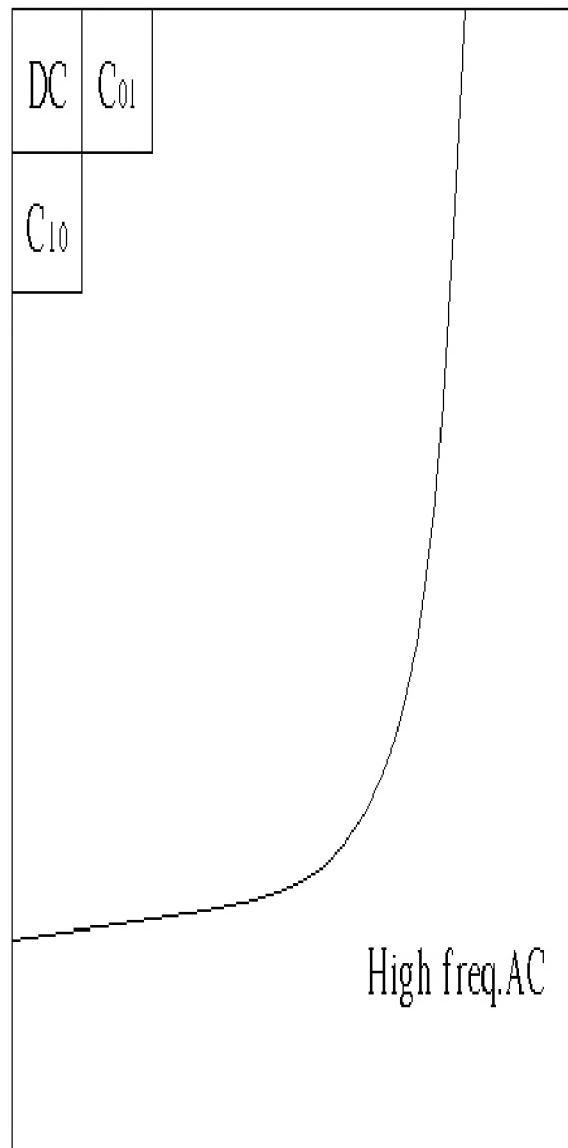


Fig. 9

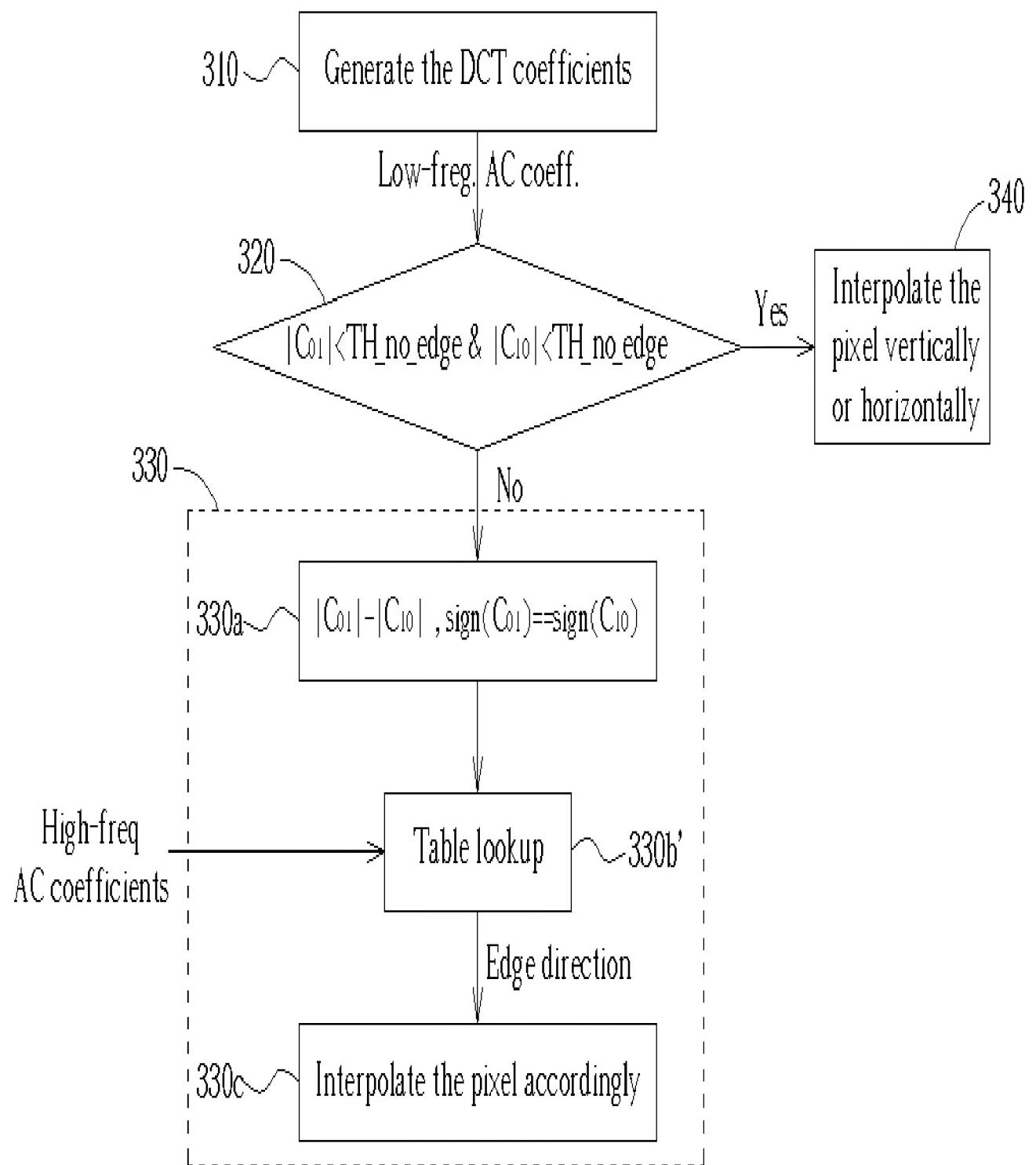


Fig. 10